Programme of the workshop NANO23@uniVR

Thursday, 8		
11:00-13:45	Registration	
13:45-14:00	Introduction (Franco Tagliaro, University of Veron	na)
14:00-15:15	Session Nano@Biomedicine I (Chairperson: Ma	nuela Malatesta)
14:00-14:30	Elisabetta Esposito, University of Ferrara	Nanotechnology for phytocompound administration (invited lecture)
14:30-14:45	Greta C. Magnano, University of Trieste	Effectiveness of barrier creams against human skin penetration of Ni nanoparticles
14:45-15:00	Maddalena Sguizzato, University of Ferrara	Niogels for polyphenols skin application
15:00-15:15	Flavia Carton, University of Piemonte Orientale	The role of microscopy to develop hyaluronic acid-based nanoparticles for the treatment of muscle diseases
15:15-16:30	Session Nano@Biomedicine II (Chairperson: Massimiliano Perduca)	
15:15-15:45	Concepcion Jimenez Lopez, University of Granada	Biomimetic magnetic nanoparticles as platforms to combine directed chemotherapy and hyperthermia (invited lecture)
15:45-16:00	Annalisa Bozza, University of Torino	The fatty acids coacervation method: an easy way to obtain solid lipid nanoparticles from synthetic and natural soaps
16:00-16:15	Edoardo Donadoni, University of Milano-Bicocca	Multi-scale modeling of folic acid-functionalized TiO₂ nanoparticles for active targeting of tumor cells
16:15-16:30	Salvatore C. Gaglio, University of Verona	Towards the design of nano-platforms to target intracellular pathogens
16:30-17:00	Coffee break	
17:00-18:00	Session Nano@Environment (Chairperson: Adolfo Speghini)	
17:00-17:30	Silvia Gross, University of Padova	Exploring the chemical parameters space for the low temperature and sustainable synthesis of crystalline inorganic nanomaterials
		for catalysis and energy conversion (invited lecture)
17:30-17:45	Sara Cerra, University of Rome "La Sapienza"	Gold nanomaterials: exploiting plasmonics for surface enhanced Raman scattering applications
17:45-18:00	Eros Radicchi, University of Verona	Gold-decorated biomorphic nanostructured titania for pollutants photodegradation
18:00-19:15	Flash presentations (Chairperson: Mariapina D'Onofrio)	
	Sabina Baskhanova, Sechenov University	The animal model in the study of medication adherence
	Arnaud M. Capuzzo, University of Verona	Magnetic resonance imaging of adipose-derived adult stem cells labelled with superparamagnetic iron oxide nanoparticles
	Paolo Caricato, EU Commission	A new objective method to test on site the fishery products freshness
	Anita Conti, University of Verona	Adipose tissue enriched with biopolymer scaffolds in ischemia/reperfusion injury
	Andrea Galvan, University of Verona	A fluid dynamic system to test nanovesicles on human skin explants
	Chiara R. Inguscio, University of Verona	Transmission electron microscopy methods to reveal nanoparticles inside cells
	Sara Mazzocato, University of Verona	Can the surface of an artwork be a source of information about climatic changes?
	Lorenzo Sarasino, University of Torino	Innovative material for solar fuel production in visible light
	Giorgia Zanella, University of Verona	Nanotechnology for biocatalysis: cellulase immobilization on mam-c mediated biomimetic magnetic nanoparticles (BMNPs)
	Glorgia Zaricila, Grilversity or Verona	- Traineteemine gy jet a recatally side centariate minima and a measure a side management and recatally side centariate (2 minima)
	Xiaowu Hu, University of Verona	Preparation and properties of Tm³+-doped NaBiF₄ blue-emitting phosphors
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Friday, 9 Ju 8:30-10:30	Xiaowu Hu, University of Verona Maria A. Lacavalla, University of Verona Martina Leoncini, University of Padova	Preparation and properties of Tm³+-doped NaBiF₄ blue-emitting phosphors Ethosomes and transethosome for vitamin D3 delivery: an in vitro study Cytotoxic investigation over silver and gold nanoparticles obtained by chemical and biogenic synthesis
	Xiaowu Hu, University of Verona Maria A. Lacavalla, University of Verona Martina Leoncini, University of Padova ne 2023 Room E, Ca' Vignal 1	Preparation and properties of Tm³+-doped NaBiF₄ blue-emitting phosphors Ethosomes and transethosome for vitamin D3 delivery: an in vitro study Cytotoxic investigation over silver and gold nanoparticles obtained by chemical and biogenic synthesis
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8:30-10:30 8:30-9:00	Xiaowu Hu, University of Verona Maria A. Lacavalla, University of Verona Martina Leoncini, University of Padova ne 2023 Room E, Ca' Vignal 1 Session Nano@Biomedicine III (Chairperson: Fe	Preparation and properties of Tm³+-doped NaBiF₄ blue-emitting phosphors Ethosomes and transethosome for vitamin D3 delivery: an in vitro study Cytotoxic investigation over silver and gold nanoparticles obtained by chemical and biogenic synthesis ederica Bortolotti) Urinary bladder and nanoparticles: tools for basic and applicative research (invited lecture)

9:45-10:00	Sofia Sturari, University of Torino	Functionalization of nanodiamonds with hyaluronic acid: a study for their potential applications in radiosensitization and selective tumor detection
10:00-10:15	Ilaria Andreana, University of Torino	How to preserve the physicochemical properties of biodegradable nanoparticles during freeze drying?
10:15-10:30	Federico Luchi, University of Verona	Coating nature directs the cellular uptake of gold nanoparticles
10:30-11:00	Coffee break	
11:00-12:30	Session Nano@Energy (Chairperson: Alessandro R	Romeo)
11:00-11:30	Alberto Vomiero, University of Venezia	Interfacial properties in composite nanosystems for energy harvesting (invited lecture)
11:30-11:45	Elisa Artegiani, University of Verona	Thin film solar cells
11:45-12:00	Federico Barbon, University of Padova	Integrating lab- and industry-scale battery production: continuous hydrothermal synthesis of NMC-like cathodes
12:00-12:15	Leonardo Ceccon, University of Verona	Energy transfer process in TbAl ₃ (BO ₃) ₄ huntite-type materials undoped and singly doped with Eu ³⁺
12:15-12:30	Narges Torabi, University of Verona	Analysis of CdSe as alternative buffer layer for Sb ₂ Se ₃ solar cells
12:30-13:30	Lunch	
13:30-15:30	Session Nano@Biomedicine IV (Chairperson: Add	olfo Speghini)
13:30-13:45	Carlo G. Barracchia, University of Verona	Nanotracers target abnormal assemblies of the amyloidogenic protein tau
13:45-14:00	Paulo Siani, University of Milano-Bicocca	Mechanistic insights from molecular dynamics simulations in nanomedicine research
14:00-14:15	Mimimorena Seggio, University of Verona	Estradiol detection in water exploiting plasmonic spoon-shaped biosensor
14:15-14:30	Silvia Mizzoni, University of Verona	Circularly polarized activity from two photon excitable europium and samarium chiral bioprobes
14:30-14:45	Francesca Tajoli, University of Padova	Continuous-flow crystallization of surfactant-free doped zinc sulfide nanoparticles for optical bioimaging
14:45-15:00	Ilaria Bettin, University of Verona	STAT3-loaded extracellular vesicles: basis of a new possible therapeutic approach to restore STAT3 signalling deficiency
15:00-15:15	Emil Milan, University of Verona	Influence of the synthesis conditions on the particle size and luminescence of lanthanide activated fluoride based nanomaterials
15:15-15:30	Giovanna Viola, University of Verona	Interaction of ultrasmall nanoparticles with condensates of an intrinsically disordered protein
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